

Anti-Dicer antibody [4A6] ab82539

3 References 3 图像

概述	
产品名称	Anti-Dicer抗体[4A6]
描述	小鼠单克隆抗体[4A6] to Dicer
宿主	Mouse
经测试应用	适用于: WB, IHC-P
种属反应性	与反应: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	Normal human ovary. Human placental tissue.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>
性能	
形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
克隆	单克隆
克隆编号	4A6
同种型	IgG1
应用	

The Abpromise guarantee **Abpromise™**承诺保证使用ab82539于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/100 - 1/500. Predicted molecular weight: 217 kDa.
IHC-P		1/50 - 1/200. Perform heat mediated antigen retrieval via the microwave method before commencing with IHC staining protocol.

靶标

功能

Double-stranded RNA (dsRNA) endoribonuclease playing a central role in short dsRNA-mediated post-transcriptional gene silencing. Cleaves naturally occurring long dsRNAs and short hairpin pre-microRNAs (miRNA) into fragments of twenty-one to twenty-three nucleotides with 3' overhang of two nucleotides, producing respectively short interfering RNAs (siRNA) and mature microRNAs. SiRNAs and miRNAs serve as guide to direct the RNA-induced silencing complex (RISC) to complementary RNAs to degrade them or prevent their translation. Gene silencing mediated by siRNAs, also called RNA interference, controls the elimination of transcripts from mobile and repetitive DNA elements of the genome but also the degradation of exogenous RNA of viral origin for instance. The miRNA pathway on the other side is a mean to specifically regulate the expression of target genes.

疾病相关

Pleuropulmonary blastoma
Goiter multinodular 1, with or without Sertoli-Leydig cell tumors
Rhabdomyosarcoma, embryonal, 2
DICER1 mutations have been found in uterine cervix embryonal rhabdomyosarcoma, primitive neuroectodermal tumor, Wilms tumor, pulmonary sequestration and juvenile intestinal polyp (PubMed:21882293). Somatic missense mutations affecting the RNase IIIb domain of DICER1 are common in non-epithelial ovarian tumors. These mutations do not abolish DICER1 function but alter it in specific cell types, a novel mechanism through which perturbation of microRNA processing may be oncogenic (PubMed:22187960).

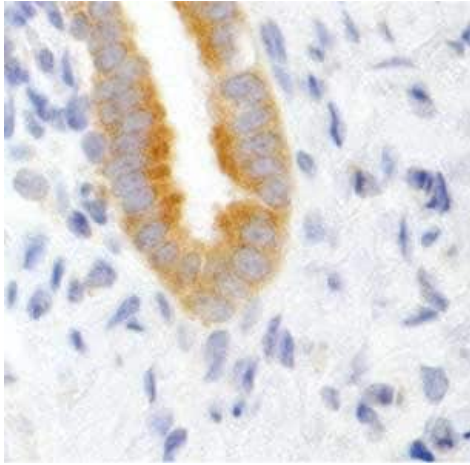
序列相似性

Belongs to the helicase family. Dicer subfamily.
Contains 1 Dicer dsRNA-binding fold domain.
Contains 1 DRBM (double-stranded RNA-binding) domain.
Contains 1 helicase ATP-binding domain.
Contains 1 helicase C-terminal domain.
Contains 1 PAZ domain.
Contains 2 RNase III domains.

细胞定位

Cytoplasm.

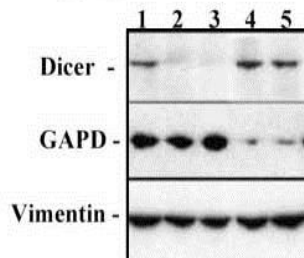
图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Dicer antibody [4A6] (ab82539)

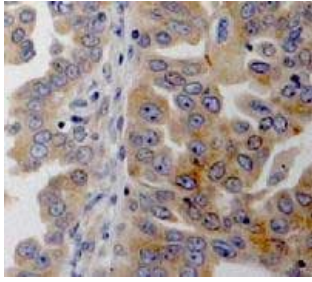
ab82539, at 1/20 dilution, staining Dicer in normal human ovary by Immunohistochemistry using paraffin-embedded tissue.

GAPD siRNA (nM) - - - 5 50
Dicer siRNA (nM) - 5 50 - -



Western blot - Anti-Dicer antibody [4A6] (ab82539)

ab82539 has been verified by siRNA target validation. The figure shows the elimination of the antigen band on western after treatment of cells with siRNA against human Dicer. No effect is seen on treatment with an irrelevant siRNA against GAPDH.



ab82539, at 1/20 dilution, staining Dicer in human lung tumor by Immunohistochemistry using paraffin-embedded tissue.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Dicer antibody [4A6] (ab82539)

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